

WEST Search History

DATE: Monday, July 19, 2004

Hide?	<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>
	<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ</i>		
<input type="checkbox"/>	L4	L1 with penicillium	2
<input type="checkbox"/>	L1	bromo adj3 hydroxybutan\$	71

END OF SEARCH HISTORY

Hit List

[Clear](#) [Generate Collection](#) [Print](#) [Fwd Refs](#) [Bkwd Refs](#)
[Generate OACS](#)

Search Results - Record(s) 1 through 2 of 2 returned.

☐ 1. Document ID: US 20030134402 A1

Using default format because multiple data bases are involved.

L4: Entry 1 of 2

File: PGPB

Jul 17, 2003

PGPUB-DOCUMENT-NUMBER: 20030134402

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030134402 A1

TITLE: Process for producing optically active 4-halo-3-hydroxybutanoate

PUBLICATION-DATE: July 17, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Asako, Hiroyuki	Osaka		JP	
Matsumura, Kenji	Osaka		JP	
Shimizu, Masatoshi	Osaka		JP	
Ito, Nobuya	Toyama-shi		JP	
Wakita, Ryuhei	Osaka		JP	

US-CL-CURRENT: [435/146](#); [435/189](#), [435/197](#), [536/23.1](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw De
----------------------	-----------------------	--------------------------	-----------------------	------------------------	--------------------------------	----------------------	---------------------------	---------------------------	-----------------------------	------------------------	---------------------	-------------------------

☐ 2. Document ID: US 20030134402 A1, EP 1213354 A2, JP 2002212158 A, JP 200223789 A, JP 2002233392 A, JP 2003061682 A

L4: Entry 2 of 2

File: DWPI

Jul 17, 2003

DERWENT-ACC-NO: 2002-550350

DERWENT-WEEK: 200348

COPYRIGHT 2004 DERWENT INFORMATION LTD

TITLE: New protein preferentially producing (S)-4-bromo-3-hydroxybutanoate by asymmetrically reducing 4-bromo-3-oxobutanoate, useful in pharmaceuticals and agrochemicals

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw De
----------------------	-----------------------	--------------------------	-----------------------	------------------------	--------------------------------	----------------------	---------------------------	--	--	------------------------	---------------------	-------------------------

[Clear](#) [Generate Collection](#) [Print](#) [Fwd Refs](#) [Bkwd Refs](#) [Generate OACS](#)

\$%ASTN;Highlighton= ***;Highlightoff=*** ;

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1800EXS

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 May 12 EXTEND option available in structure searching
NEWS 4 May 12 Polymer links for the POLYLINK command completed in REGISTRY
NEWS 5 May 27 New UPM (Update Code Maximum) field for more efficient patent
SDIs in Caplus
NEWS 6 May 27 Caplus super roles and document types searchable in REGISTRY
NEWS 7 Jun 22 STN Patent Forums to be held July 19-22, 2004
NEWS 8 Jun 28 Additional enzyme-catalyzed reactions added to CASREACT
NEWS 9 Jun 28 ANTE, AQUALINE, BIOENG, CIVILENG, ENVIROENG, MECHENG,
and WATER from CSA now available on STN(R)
NEWS 10 Jul 12 BEILSTEIN enhanced with new display and select options,
resulting in a closer connection to BABS

NEWS EXPRESS MARCH 31 CURRENT WINDOWS VERSION IS V7.00A, CURRENT
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 26 APRIL 2004
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that
specific topic.

All use of STN is subject to the provisions of the STN Customer
agreement. Please note that this agreement limits use to scientific
research. Use for software development or design or implementation
of commercial gateways or other similar uses is prohibited and may
result in loss of user privileges and other penalties.

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 16:07:40 ON 19 JUL 2004

=> fil .eliz

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'MEDLINE' ENTERED AT 16:08:26 ON 19 JUL 2004

FILE 'SCISEARCH' ENTERED AT 16:08:26 ON 19 JUL 2004

COPYRIGHT 2004 THOMSON ISI

FILE 'LIFESCI' ENTERED AT 16:08:26 ON 19 JUL 2004

COPYRIGHT (C) 2004 Cambridge Scientific Abstracts (CSA)

FILE 'BIOTECHDS' ENTERED AT 16:08:26 ON 19 JUL 2004

COPYRIGHT (C) 2004 THOMSON DERWENT AND INSTITUTE FOR SCIENTIFIC INFORMATION

FILE 'BIOSIS' ENTERED AT 16:08:26 ON 19 JUL 2004

COPYRIGHT (C) 2004 BIOLOGICAL ABSTRACTS INC.(R)

FILE 'EMBASE' ENTERED AT 16:08:26 ON 19 JUL 2004

COPYRIGHT (C) 2004 Elsevier Inc. All rights reserved.

FILE 'HCAPLUS' ENTERED AT 16:08:26 ON 19 JUL 2004

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'NTIS' ENTERED AT 16:08:26 ON 19 JUL 2004
Compiled and distributed by the NTIS, U.S. Department of Commerce.
It contains copyrighted material.
All rights reserved. (2004)

FILE 'ESBIOBASE' ENTERED AT 16:08:26 ON 19 JUL 2004
COPYRIGHT (C) 2004 Elsevier Science B.V., Amsterdam. All rights reserved.

FILE 'BIOTECHNO' ENTERED AT 16:08:26 ON 19 JUL 2004
COPYRIGHT (C) 2004 Elsevier Science B.V., Amsterdam. All rights reserved.

FILE 'WPIDS' ENTERED AT 16:08:26 ON 19 JUL 2004
COPYRIGHT (C) 2004 THOMSON DERWENT

=> s bromo (3w)hydroxybutan?
L1 32 BROMO (3W) HYDROXYBUTAN?

=> s l1 and penicillium
L2 5 L1 AND PENICILLIUM

=> dup rem l2
PROCESSING COMPLETED FOR L2
L3 3 DUP REM L2 (2 DUPLICATES REMOVED)

=> d 1-3

L3 ANSWER 1 OF 3 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2004:112750 HCAPLUS
DN 140:180242
TI Enzymic resolution for manufacture of 3-hydroxybutanoic acid compounds
IN Ito, Shinya; Wakita, Ryuhei
PA Sumitomo Chemical Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 77 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2004041070	A2	20040212	JP 2002-202396	20020711
PRAI	JP 2002-202396		20020711		
OS	MARPAT 140:180242				

L3 ANSWER 2 OF 3 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2003:108053 HCAPLUS
DN 138:121676
TI Manufacture of (R)-4-cyano-3-hydroxybutanoic acid esters with
Penicillium
IN wakita, Ryuhei; Asako, Hiroyuki; Matsumura, Kenji; Shimizu, Masatoshi
PA Sumitomo Chemical Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2003038193	A2	20030212	JP 2001-229309	20010730
PRAI	JP 2001-229309		20010730		

L3 ANSWER 3 OF 3 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
DUPLICATE 1
AN 2002-19087 BIOTECHDS
TI New protein preferentially producing (S)-4- ***bromo*** -3-
hydroxybutanoate by asymmetrically reducing 4-bromo-3-
oxobutanoate, useful in pharmaceuticals and agrochemicals;
vector-mediated glucose-dehydrogenase gene transfer and expression in
Escherichia coli for stereospecific compound production
AU ASAKO H; MATSUMURA K; SHIMIZU M; ITO N; WAKITA R
PA SUMITOMO CHEM CO LTD
PI EP 1213354 12 Jun 2002
AI EP 2000-310251 7 Dec 2000

PRAI JP 2001-175175 11 Jun 2001
DT Patent
LA English
OS WPI: 2002-550350 [59]

=> dis his

(FILE 'HOME' ENTERED AT 16:07:40 ON 19 JUL 2004)

FILE 'MEDLINE, SCISEARCH, LIFESCI, BIOTECHDS, BIOSIS, EMBASE, HCAPLUS,
NTIS, ESBIODASE, BIOTECHNO, WPIDS' ENTERED AT 16:08:26 ON 19 JUL 2004

L1 32 S BROMO (3W)HYDROXYBUTAN?
L2 5 S L1 AND PENICILLIUM
L3 3 DUP REM L2 (2 DUPLICATES REMOVED)

=> log h

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
20.16	20.37

FULL ESTIMATED COST

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 16:10:00 ON 19 JUL 2004